Claims

1. Control device for a tractor provided with a system for detecting pivoting or articulating angles between the longitudinal geometrical center axes of the tractor and those of a semitrailer coupled by way of a kingpin when the semitrailer is being coupled and being pulled into and out of parking places, characterized

by a configuration (20) of a plurality of Hall sensors (21) located next to each other in the area which encloses the receiving opening (11) of the tractor for the fifth-wheel kingpin concentrically on a partial circular arc around the vertical geometrical center axis of the receiving opening;

by at least one permanent magnet (30) which is located underneath on the semitrailer at a radial distance (r_m) from the geometrical vertical axis (13) of the kingpin and with a distance to the Hall sensors such that with its magnetic field it acts only on the most closely adjacent Hall sensor of the configuration, and

by electrical output lines of the Hall sensors (21), which lines are connected to the evaluation circuit which for its part determines the unknown angle (α) from the location of the excited Hall sensor.

2. Control device for a tractor provided with a system for detecting pivoting or articulating angles between the longitudinal geometrical center axes of a drawbar and those of a trailer coupleable by way of the drawbar when the trailer is being coupled and pulled into and out of parking places, characterized

by a configuration (20) of a plurality of Hall sensors (21) located next to each other in the area which concentrically encloses the vertical geometrical pivoting axis of the drawbar;

by at least one permanent magnet (30) which is located underneath on the trailer at a radial distance r_m from the vertical geometrical pivoting axis (13) and with a distance to the Hall sensors such that with its magnetic field it acts only on the most closely adjacent Hall sensor of the configuration, and

by electrical output lines of the Hall sensors (21), which lines are connected to the evaluation circuit which for its part determines the unknown angle (α) from the location of the excited Hall sensor.

3. The device as claimed in claim 1 and/or claim 2, wherein the evaluation circuit supplies the angle and/or angles to a remote control unit for an unmanned tractor as the input quantity or quantities.